

IN THE CLAIMS:

1. (Original) A method for detecting an overlap of scheduled recording times, the method comprising the steps of:

(a) ascertaining whether there exists any broadcasting program reserved to record;

(b) if there exists any broadcasting program scheduled to record, correcting a scheduled recording time of the broadcasting program reserved to record on the basis of calculated time correction data for channels;

(c) determining whether the scheduled recording times of the broadcasting programs overlap; and

(d) if the scheduled recording times of the broadcasting programs overlap, reporting information on the overlap.

2. (Original) The method according to claim 1, further comprising the step of:
(e) before the step (a), when a power is turned on, calculating the time correction data for the channels.

3. (Original) The method according to claim 2, wherein the step (e) comprises the steps of:

setting, as a reference time, a base time provided from a reference channel tuned first when the power is turned on;

obtaining base times provided from remaining channels excepting for the reference channel; and

calculating the time correction data for the channels by using the reference time and the base times.

4. (Original) The method according to claim 3, wherein the step (e) further comprises the steps of:

mapping the calculated time correction data to corresponding channels in one-to-one mapping and storing the mapped time correction data.

5. (Original) The method according to claim 3, wherein the reference channel is set in default by a user.

6. (Original) The method according to claim 3, wherein the step (e) further comprises the steps of:

storing the set reference time and the base times provided from the remaining channels excepting for the reference channel.

7. (Original) The method according to claim 3, wherein the calculated time correction data are time differences between the reference time and the base times of the remaining channels.

8. (Original) The method according to claim 1, wherein the scheduled recording time includes a record start time and a record end time.

9. (Original) The method according to claim 1, wherein the step (b) comprises the steps of:

reading the time correction data of the channels corresponding to the broadcasting programs reserved to record among the calculated time correction data of the channels; and

adding the read time correction data to the scheduled recording times of the broadcasting programs scheduled to record.

10. (Original) The method according to claim 1, wherein the information on the overlap is reported in the form of message or voice.

11. (Original) A method for detecting an overlap of scheduled recording times, the method comprising the steps of:

- (a) when a power is turned on, calculating time correction data for channels;
- (b) if there exists any broadcasting program scheduled to record, correcting a scheduled recording time of the broadcasting program reserved to record on the basis of calculated time correction data for the channels;
- (c) determining whether the corrected scheduled recording times of the broadcasting programs overlap; and
- (d) if the scheduled recording times of the broadcasting programs overlap, reporting information on the overlap.

12. (Original) The method according to claim 11, wherein the step (a) comprises the steps of:

- setting, as a reference time, a base time provided from a reference channel tuned first when the power is turned on;
- obtaining base times provided from remaining channels excepting for the reference channel; and
- calculating the time correction data for the channels by using the reference time and the base times.

13. (Original) The method according to claim 12, wherein the reference channel is set in default by a user.

14. (Original) The method according to claim 11, wherein the calculated time correction data are time differences between the reference time and the base times of the remaining channels.

15. (Original) The method according to claim 11, wherein the step (b) comprises the steps of:

reading the time correction data of the channels corresponding to the broadcasting programs reserved to record among the calculated time correction data of the channels; and

adding the read time correction data to the scheduled recording times of the broadcasting programs reserved to record.